MLLNVLRICI	IVCLVNDGAG	KHSEGRERTK	TYSLNSRGYF	40
RKERGARRSK	ILLVNTKGLD	EPHIGHGDFG	LVAELFDSTR	80
THTNRKEPDM	NKVKLFSTVA	HG <u>NKS</u> ARRKA	YNGSRRNIFS	120
RRSFDKRNTE	VTEKPGAKMF	WNNFLVKMNG	APQ <u>NTS</u> HGSK	160
AQEIMKEACK	TLPFTQNIVH	ENCDRMVIQN	NLCFGKCISL	200
HVPNQQDRRN	TCSHCLPSKF	TLNHLTLNCT	GSKNVVKVVM	240
MVEECTCEAH	KSNFHQTAQF	NMDTSTTLHH		270

Figure 1. Deduced amino acid sequence of Xenopus cerberus protein. SEQ ID NO:1.

Figure 2. Nucleotide sequence of the full-length cerberus DNA derived from the Xenopus organizer. The sense strand is on top (in the 5' to 3' direction) and the antisense strand on the bottom line (on the opposite direction). SEQ ID NO:2.

GAATTCCCAG CAAGTCGCTC AGAAACACTG CAGGGTCTAG ATATCATACA ATGTTACTAA	60
CTTAAGGGTC GTTCAGCGAG TCTTTGTGAC GTCCCAGATC TATAGTATGT TACAATGATT	
ATGTACTCAG GATCTGTATT ATCGTCTGCC TTGTGAATGA TGGAGCAGGA AAACACTCAG	120
TACATGAGTC CTAGACATAA TAGCAGACGG AACACTTACT ACCTCGTCCT TTTGTGAGTC	
INCATORATE CITORICITIES INCOMENTATION INCOME	
AAGGACGAGA AAGGACAAAA ACATATTCAC TTAACAGCAG AGGTTACTTC AGAAAAGAAA	180
TTCCTGCTCT TTCCTGTTTT TGTATAAGTG AATTGTCGTC TCCAATGAAG TCTTTTCTTT	
Treated incorporation to the state of the st	
GAGGAGCACG TAGGAGCAAG ATTCTGCTGG TGAATACTAA AGGTCTTGAT GAACCCCACA	240
CTCCTCGTGC ATCCTCGTTC TAAGACGACC ACTTATGATT TCCAGAACTA CTTGGGGTGT	
CICCICGIGC AICCICGITO IMAGAGGAGO INTIMAGAGGAGO	
TTGGGCATGG TGATTTTCGC TTAGTAGCTG AACTATTTGA TTCCACCAGA ACACATACAA	300
AACCCGTACC ACTAAAAGCG AATCATCGAC TTGATAAACT AAGGTGGTCT TGTGTATGTT	
ARCCCGTACC ACTARAAGCG ARTCATCGAC TIGATAAACT AAGGTGGTGT	
ACAGAAAAGA GCCAGACATG AACAAAGTCA AGCTTTTCTC AACAGTTGCC CATGGAAACA	360
TGTCTTTTCT CGGTCTGTAC TTGTTTCAGT TCGAAAAGAG TTGTCAACGG GTACCTTTGT	
TGTCTTTTCT CGGTCTGTAC TTGTTTCAGT TCGAAAAGAG TTGTCCCCCC CIIIO	
AAAGTGCAAG AAGAAAAGCT TACAATGGTT CTAGAAGGAA TATTTTTCCT CGCCGTTCTT	420
TITCACGITC TICITITCGA ATGITACCAA GATCTTCCIT ATAAAAAGGA GCGGCAAGAA	
TTTCACGTTC TTCTTTTCGA AIGITACCAA GAICITCCTT AIREALEISSII SOOGA	
TTGATAAAAG AAATACAGAG GTTACTGAAA AGCCTGGTGC CAAGATGTTC TGGAACAATT	480
AACTATTTC TTTATGTCTC CAATGACTT TCGGACCACG GTTCTACAAG ACCTTGTTAA	
AACTATTTTC TTTATGTCTC CAATGACTTT TOGGACCACG GTTCTAGGGC MOOT	
TTTTGGTTAA AATGAATGGA GCCCCACAGA ATACAAGCCA TGGCAGTAAA GCACAGGAAA	540
AAAACCAATT TTACTTACCT CGGGGTGTCT TATGTTCGGT ACCGTCATTT CGTGTCCTTT	
AAAACCAATT TTACTTACCT CGGGGTGTCT TATGTTCGGT ACCGTCATTT GGTGTGT	
TANTGANAGA AGCTTGCANA ACCTTGTTTT TCACTCAGAN TATTGTACAT GANAACTGTG	600
ATTACTTTCT TCGAACGTTT TGGAACAAAA AGTGAGTCTT ATAACATGTA CTTTTGACAC	
ATTACTTTCT TCGARCGTTT TGGARCAAAA AGTGAGTCTT ATAACATGTA OTTTTGAACA	
ACAGGATGGT GATACAGAAC AATCTGTGCT TTGGTAAATG CATCTCTCTC CATGTTCCAA	660
TGTCCTACCA CTATGTCTTG TTAGACACGA AACCATTTAC GTAGAGAGAG GTACAAGGTT	
TGTCCTACCA CTATGTCTTG TTAGACACGA AACCATTTAC GTAGAGAGAG	
ATCAGCAAGA TCGACGAAAT ACTTGTTCCC ATTGCTTGCC GTCCAAATTT ACCCTGAACC	720
TAGTCGTTCT AGCTGCTTTA TGAACAAGGG TAACGAACGG CAGGTTTAAA TGGGACTTGG	
TAGTCGTTCT AGCTGCTTTA TGAACAAGGG TAACGAACGG CAGGTTTAAA TGGGAGTTT	
ACCTGACGCT GAATTGTACT GGATCTAAGA ATGTAGTAAA GGTTGTCATG ATGGTAGAGG	780
ACCTGACGCT GAATTGTACT GGATUTAGA AIGIAGIARA GGITGICATAC AIGIAGIACTAC AIGIAGUACTAC AIGIAGIACTAC AIGIACTAC AIGIACTACA AIGIACTAC AIGIACT	
TGGACTGCGA CTTAACATGA CCTAGATTCT TACATCATTT CCAACAGTAC TACCATCTCC	
AATGCACGTG TGAAGCTCAT AAGAGCAACT TCCACCAAAC TGCACAGTTT AACATGGATA	840
AATGCACGTG TGAAGCTCAT AAGAGCAACT ICCACCAARA ISCACCACAA TTCTACCTATA	
TTACGTGCAC ACTTCGAGTA TTCTCGTTGA AGGTGGTTTG ACGTGTCAAA TTGTACCTAT	
CATCTACTAC CCTGCACCAT TAAAGGACTG CCATACAGTA TGGAAATGCC CTTTTGTTGG	900
GTAGATGATG GGACGTGGTA ATTTCCTGAC GGTATGTCAT ACCTTTACGG GAAAACAACC	
GTAGATGATG GGACGTGGTA ATTTCCTGAC GGTATGTCAT ACCTITACGG GAAAAGAACG	
AATATTTGTT ACATACTATG CATCTAAAGC ATTATGTTGC CTTCTATTTC ATATAACCAC	960
TTATAAACAA TGTATGATAC GTAGATTTCG TAATACAACG GAAGATAAAG TATATTGGTG	
TINIMACAN TEINIGNIAC GINGNIIICG INNINCANCG GANGAITHE	
ATGGAATAAG GATTGTATGA ATTATAATTA ACAAATGGCA TTTTGTGTAA CATGCAAGAT	1020
TACCTTATTC CTAACATACT TAATATTAAT TGTTTACCGT AAAACACATT GTACGTTCTA	
TACCTTATTC CTARCATACT TARIATIANI IGITIACCGI AMAGONOMII GINOGITOM	

	TCAGTTGCAA AGTCAACGTT	 		1080
	ATATATGATA TATATACTAT	 	 	1140
	TTTGCCCAGG AAACGGGTCC	 	 	1200
	TTTAAAAGCA AAATTTTCGT			1260
	TCATAGGGGG AGTATCCCCC			1320
TGTTACAAAA ACAATGTTTT				

Fig. 2. (Continuation page 2, SEQ ID NO:2).

MSRTRKVDSL	LLLAIPGLAL	LLLPNAYCAS	CEPVRIPMCK	SMPWNMTKMP	nhlhhstqan	60
AILAIEQFEG	LLTTECSQDL	LFFLCAMYAP	ICTIDFQHEP	IKPCKSVCER	ARAGCEPILI	120
KYRHTWPESL	ACEELPVYDR	GVCISPEAIV	TVEQGTDSMP	DFSMDSNNGN	CGSGREHCKC	180
KPMKATQKTY	LKNNYNYVIR	AKVKEVKVKC	HDATAIVEVK	EILKSSLVNI	PKDTVTLYTN	240
SGCLCPQLVA	NEEYIIMGYE	DKERTRLLLV	EGSLAEKWRD	RLAKKVKRWD	QKLRRPRKSK	300
DPVAPIPNKN	SNSRQARS					

Figure 3. Deduced amino acid sequence of Xenopus frazzled protein. SEQ ID NO:3.

Figure 4. Nucleotide sequence of the full-length frazzled cDNA derived from the Xenopus organizer. The sense strand of the DNA on top (5' to 3' direction) and the antisense strand on the bottom line (opposite direction). SEQ ID NO:4.

	TCACACAGGA					60
CTTAAGGGAA	AGTGTGTCCT	GAGGACCGTC	TCCACTTACC	AATCGGGATA	CCTAAACCAA	
	GACACATGAT					120
ACAACTAAAA	CTGTGTACTA	ACTAACGAAA	GTCTATCCTA	ACTTCCTGAA	CCTAAAAATA	
	ACTTTTAAAT		- · · ·			180
GATTAAGACG	TGAAAATTTA	ATAGACTCAT	TAACAAGTAA	AACATAACCT	ACCCTGATTT	
GATAAACTTA	ACTCCTTGCT	TTTGACTTGC	CCATAAACTA	TAAGGTGGGG	TGAGTTGTAG	240
CTATTTGAAT	TGAGGAACGA	AAACTGAACG	GGTATTTGAT	ATTCCACCCC	ACTCAACATC	
TTGCTTTTAC	ATGTGCCCAG	ATTTTCCCTG	TATTCCCTGT	ATTCCCTCTA	AAGTAAGCCT	300
AACGAAAATG	TACACGGGTC	TAAAAGGGAC	ATAAGGGACA	TAAGGGAGAT	TTCATTCGGA	
	GTTGGGCAGA					360
TGTGTATGTC	CAACCCGTCT	TATTGTTACA	GAGCTTGTTC	CTTTCACCTG	AGTAATGACG	
	ACCTGGACTG					420
ATGACCGGTA	TGGACCTGAC	CGCGAAGAGA	ATAATGGGTT	ACGAATGACA	CGAAGCACAC	
	GATCCCCATG					480
TCGGACACGC	CTAGGGGTAC	ACGTTTAGAT	ACGGTACCTT	GTACTGGTTC	TACGGGTTGG	
	CAGCACTCAA					540
TAGAGGTGGT	GTCGTGAGTT	CGGTTACGGT	AGGACCGTTA	ACTTGTCAAA	CTTCCAAACG	
	ATGTAGCCAG					600
ACTGGTGACT	TACATCGGTC	CTGGAAAACA	AGAAAGACAC	ACGGTACATA	CGGGGGTAAA	
	TTTCCAGCAT					660
CATGGTAGCT	AAAGGTCGTA	CTTGGTTAAT	TCGGAACGTT	CAGGCACACG	CTTTCCCGGT	
	TGAGCCCATT					720
CCCGGCCGAC	actcgggtaa	GAGTATTTCA	TGGCCGTGTG	AACCGGTCTC	TCGGACCGTA	
1						
	GCCCGTATAT					780
CACTTCTCGA	CGGGCATATA	CTGTCTCCTC	AGACGTAGAG	GGGTCTCCGA	TAGCAGTGTC	
	AACAGATTCA					840
ACCTTGTTCC	TTGTCTAAGT	TACGGTCTGA	AGAGGTACCT	AAGTTTGTTA	CCTTTAACGC	
	GGAGCACTGT					900
CTTCGCCGTC	CCTCGTGACA	TTTACGTTCG	GGTACTTCCG	TTGGGTTTTC	TGCATAGAGT	
>C>>m>>m->	01 1 mm 1 mor-	10010100			*******	
	CAATTATGTA					960
CTIATTAAT	GTTAATACAT	TAGTCTCGTT	TTCACTTTCT	CCACTTTCAC	TTTACGGTGC	
3000330300		001110010	*****			
ACCCERCECTOR	AATTGTGGAA	GTAAAGGAGA	TTUTCAAGTC	TTCCCTAGTG	AACATTCCTA	1020
rocuttetCG	TTAACACCTT	CATTTCCTCT	AAGAGTTCAG	AAGGGATCAC	TTGTAAGGAT	

AAGACACAGT						1080
TTCTGTGTCA	CTGTGACATG	TGGTTGAGTC	CGACGAACAC	GGGGGTCGAA	CAACGGTTAC	
AGGAATACAT						1140
TCCTTATGTA	TTAATACCCG	ATACTTCTGT	TTCTCGCATG	GTCCGAAGAT	GATCACCTTC	
01-00-000	~~~~				mccc>mc>>>	1200
GATCCTTGGC						1200
CTAGGAACCG	GCTTTTTACC	TUTUTAGUAG	AACGATTCTT	TCAGTTCGCG	ACCCTAGITI	
AGCTTCGACG	ずぐぐぐみぐぐみみみ	ACCANACACC	CCCTCCCTCC	እስጥጥርርርእአር	BBBBBCBCCB	1260
TCGAAGCTGC						1200
1CGAAGC1GC	AGGG100111	1031110166	GOCACCGAGG	11111000110	1111101001	
ATTCCAGACA	AGCGCGTAGT	TAGACTAACG	GAAAGGTGTA	TGGAAACTCT	ATGGACTTTG	1320
TAAGGTCTGT						
11110010101			01110010111		2000	
AAACTAAGAT	TTGCATTGTT	GGAAGAGCAA	AAAAGAAATT	GCACTACAGC	ACGTTATATT	1380
			TTTTCTTTAA			
CTATTGTTTA	CTACAAGAAG	CTGGTTTAGT	TGATTGTAGT	TCTCCTTTCC	TTCTTTTTTT	1440
			ACTAACATCA			
TTATAACTAT	ATTTGCACGT	GTTCCCAGGC	AATTGTTTTA	TTCAACTTCC	AGTGACAGAG	1500
AATATTGATA	TAAACGTGCA	CAAGGGTCCG	TTAACAAAAT	AAGTTGAAGG	TCACTGTCTC	
			TCAATTCATT			1560
GTCACTGACT	TACAGAGTCG	GATTTCTTCG	AGTTAAGTAA	AGACTAGTTG	ATTACCACTG	
_						
			ATTGCAATGG			1620
TTCACAAACT	ATGAACCCCT	TTCACTTGAT	TAACGTTACC	ATTTAGTCTC	TTTTCAACTG	
01 1 mommoom	mmm-0-m-cm3-C	3 mc3 3 c3 3 cm	C1C1C1EC1C	3 mmm3 3 3 m/3	ማ ረ እ መረ እ ረመመም	1680
			GAGAGATCAC		ACTAGTGAAA	1000
GTTACAACGA	AAAGGACAIC	IACTIGITCA	CICICIAGIG	TAAATITACI	ACIAGIGAAA	
~~~~~~~~~~~~	CTTTCACCAC	<b>ጥጥጥ</b> አርጥጥ አር	ATGACATGTA	CCDTCCDCCT	<b>አ</b> አአጥርጥአአአጥ	1740
					TTTAGATTTA	1740
GGIMMIIMI	Grandicoic	innail conit	inoidinoni	00111001001		
ATTTTATCAT	AAATGAAGAG	CTGGTTTAGA	CTGTATGGTC	ACTGTTGGGA	AGGTAAATGC	1800
			GACATACCAG			
	<del></del>					
CTACTTTGTC	AATTCTGTTT	TAAAAATTGC	CTAAATAAAT	ATTAAGTCCT	AAATAAAA	1860
GATGAAACAG	TTAAGACAAA	ATTTTTAACG	GATTTATTTA	TAATTCAGGA	TTTTTTTTT	
AAAAAAAAA	AAAAA					
TTTTTTTTT	TTTTT					

Fig. 4. (Continuation page 2, SEQ ID NO:4).

60 MLLLFRAIPM LLIGLMVLOT DCEIAOYYID EEEPPGTVIA VLSQHSIFNT TDIPATNFRL MKQFNNSLIG VRESDGQLSI MERIDREQIC RQSLHCNLAL DVVSFSKGHF KLLNVKVEVR 120 DINDHSPHFP SEIMHVEVSE SSSVGTRIPL EIAIDEDVGS NSIQNFQISN NSHFSIDVLT 180 240 RADGVKYADL VLMRELDREI QPTYIMELLA MDGGVPSLSG TAVVNIRVLD FNDNSPVFER 300 STIAVDLVED APLGYLLLEL HATDDDEGVN GEIVYGFSTL ASQEVRQLFK INSRTGSVTL EGOVDFETKO TYEFEVOAOD LGPNPLTATC KVTVHILDVN DNTPAITITP LTTVNAGVAY 360 IPETATKENF IALISTTDRA SGSNGQVRCT LYGHEHFKLQ QAYEDSYMIV TTSTLDRENI 420 AAYSLTVVAE DLGFPSLKTK KYYTVKVSDE NDNAPVFSKP QYEASILENN APGSYITTVI 480 ARDSDSDQNG KVNYRLVDAK VMGQSLTTFV SLDADSGVLR AVRSLDYEKL KQLDFEIEAA 540 DNGIPQLSTR VQLNLRIVDQ NDNCPVITNP LLNNGSGEVL LPISAPQNYL VFQLKAEDSD 600 EGHNSOLFYT ILRDPSRLFA INKESGEVFL KKOLNSDHSE DLSIVVAVYD LGRPSLSTNA 660 TVKFILTDSF PSNVEVVILQ PSAEEQHQID MSIIFIAVLA GGCALLLLAI FFVACTCKKK 720 AGEFKQVPEQ HGTCNEERLL STPSPQSVSS SLSQSESCQL SINTESENCS VSSNQEQHQQ 780 TGIKHSISVP SYHTSGWHLD NCAMSISGHS HMGHISTKVQ WAKEIVTSMT VTLILVENQK 840 RRALSSOCRH KPVLNTOMNO OGSDMPITIS ATESTRVOKM GTAHCNMKRA IDCLTL

Figure 5. Deduced amino acid sequence of the Xenopus PAPC (paraxial protocadherin) protein. It encodes a member of the cadherin family of transmembrane proteins that has dorsalizing activity when constructs are injected into Xenopus embryos. SEQ ID NO:5.

Figure 6. Nucleotide sequence of the full-length PAPC cDNA derived from the Xenopus organizer. The sense strand of the DNA is shown in the top line (in the 5' to 3' direction), and the bottom line shows the antisense strand (opposite orientation). SEQ ID NO:6.

CARTTCCCAG	AGATGAACTC	Сттсасаттс	<b>ጥጥጥ አል</b> አጥር አ	CTGCAGGTCT	GGAAGGATTC	60
	TCTACTTGAG					•
ACATTGCCAC	ACTGTTTCTA	GGCATGAAAA	AACTGCAAGT	TTCAACTTTG	TTTTTGGTGC	120
TGTAACGGTG	TGACAAAGAT	CCGTACTTTT	TTGACGTTCA	AAGTTGAAAC	AAAAACCACG	
						100
	CTTCAAGATG					180
TTGAAACTAA	GAAGTTCTAC	GACGAAGAGA	AGTCTCGGTA	AGGTTACGAC	GACAACCCTG	
<b>ጥ</b> ር እጥር ርጥጥጥ	ACAAACAGAC	<b>ጥርጥርኔ እኔጥጥር</b>	СССАСТАСТА	CATAGATGAA	GAAGAACCCC	240
	TGTTTGTCTG					
CTGGCACTGT	AATTGCAGTG	TTGTCACAAC	ACTCCATATT	TAACACTACA	GATATACCTG	300
GACCGTGACA	TTAACGTCAC	AACAGTGTTG	TGAGGTATAA	ATTGTGATGT	CTATATGGAC	
	CCGTCTAATG					360
GTTGGTTAAA	GGCAGATTAC	TTCGTTAAAT	TATTAAGGGA	ATAGCCTCAG	GCACTCTCAC	
እ ጥርርርር እርርጥ	GAGCATCATG	CACACCATTC	ACCECEACCA	AATCTGCAGG	CAGTCCCTTC	420
	CTCGTAGTAC					
	0.00	01010011111				
ACTGCAACCT	GGCTTTGGAT	GTGGTCAGCT	TTTCCAAAGG	ACACTTCAAG	CTTCTGAACG	480
TGACGTTGGA	CCGAAACCTA	CACCAGTCGA	AAAGGTTTCC	TGTGAAGTTC	GAAGACTTGC	
	GGTGAGAGAC					540
ACTTTCACCT	CCACTCTCTG	TAATTACTGG	TATCGGGAGT	GAAAGGGTCA	CTTTATTACG	
a moneca con	GTCTGAAAGT	<b>サ</b> ぐくサくすらすらる	CCACCACCAT	<b>ΤΟΟΤΤΤΑGAA</b>	ATTGCAATAG	600
	CAGACTITCA					
ATGAAGATGI	TGGGTCCAAC	TCCATCCAGA	ACTTTCAGAT	CTCAAATAAT	AGCCACTTCA	660
TACTTCTACA	ACCCAGGTTG	AGGTAGGTCT	TGAAAGTCTA	GAGTTTATTA	TCGGTGAAGT	
	GCTAACCAGA					720
CGTAACTAC	CGATTGGTCT	CGTCTACCCC	ACTTTATACG	TCTAAATCAG	AATTACTCTC	
8 8 CTCC 8 C 8 C	GGAAATCCAG		<b>#88#CC8CC#</b>	*	CATGGGGGTG	780
	CCTTTAGGTC					,00
1100001010	COTTINGGIO	, doi:10:m:0:	212 21100 2001			
TACCATCAC	ATCTGGTACT	GCAGTGGTTA	ACATCCGAGT	CCTGGACTTT	AATGATAACA	840
ATGGTAGTG	A TAGACCATGA	CGTCACCAAT	TGTAGGCTCA	GGACCTGAAA	TTACTATTGT	
					CCTCTGGGAT	900
CGGGTCACA	A ACTOTOTICO	TGGTAACGAC	ACCTGGATCA	TOTOCTACGA	GGAGACCCTA	
ልቦርጥጥጥርጥ	r ርርልርጥጥልቦ ^{ልባ}	CCTACTCACC	ATCATCA ACC	AGTGAATGG	GAAATTGTTT	960
					CTTTAACAAA	2.77
ATGGATTCA	G CACTTTGGC	TCTCAAGAGG	TACGTCAGCT	TAAAATTTA 1	AACTCCAGAA	1020
TACCTAAGT	C GTGAAACCG	AGAGTTCTCC	ATGCAGTCG	A TAAATTTTA <i>I</i>	TTGAGGTCTT	

CTGGCAGTGT	TACTCTTGAA	GGCCAAGTTG	ATTTTGAGAC	CAAGCAGACT	TACGAATTTG	1080
	ATGAGAACTT					
	CCAAGATTTG GGTTCTAAAC					1140
	TGTAAATGAT ACATTTACTA					1200
	TGCCTATATT ACGGATATAA					1260
	CAGAGCCTCT GTCTCGGAGA					1320
	ACTACAGCAA TGATGTCGTT					1380
	AAACATAGCA TTTGTATCGT					1440
	GACCAAAAAG CTGGTTTTTC					1500
	TAAACCCCAG ATTTGGGGTC					1560
ATATAACTAC	AGTGATAGCC TCACTATCGG	AGAGACTCTG	ATAGTGATCA	AAATGGCAAA	GTAAATTACA	1620
GACTTGTGGA	TGCAAAAGTG ACGTTTTCAC	ATGGGCCAGT	CACTAACAAC	ATTTGTTTCT	CTTGATGCGG	1680
ACTCTGGAGT	ATTGAGAGCT	GTTAGGTCTT	TAGACTATGA	AAAACTTAAA	CAACTGGATT	1740
TTGAAATTGA	TAACTCTCGA AGCTGCAGAC	AATGGGATCC	CTCAACTCTC	CACTCGCGTT	CAACTAAATC	1800
	TCGACGTCTG TGATCAAAAT					1860
	ACTAGTTTTA				GAATTATTAC	1920
CGAGCCCACT	TCAAGACGAA	GGGTAGTCGC	GAGGAGTTTT	GATAAATCAA	AAGGTCGAGT	
					CTGAGAGATC GACTCTCTAG	1980
					AAACAATTAA TTTGTTAATT	2040
					GGAAGACCTT CCTTCTGGAA	2100
					TCTAACGTTG A AGATTGCAAC	2160

Fig. 6. (Continuation page 2, SEQ ID NO:6).

AAGTCGTTAT	TTTGCAACCA	TCTGCAGAAG	AGCAGCACCA	GATCGATATG	TCCATTATAT	2220
TTCAGCAATA	AAACGTTGGT	AGACGTCTTC	TCGTCGTGGT	CTAGCTATAC	<b>A</b> GGTAATATA	
	GCTGGCTGGT					2280
AGTAACGTCA	CGACCGACCA	CCAACACGAA	acgatgaaaa	CCGGTAGAAA	AAACACCGGA	
		•				
	AAAGAAAGCT					2340
CATGAACATT	TTTCTTTCGA	CCACTTAAAT	TCGTCCATGG	ACTIGITGE	CCTTGTACGT	
	CCTGTTAAGC					2400
TACTTCTTGC	GGACAATTCG	TGGGGTAGAG	GGGTCAGCCA	GAGAAGAAGA	AACAGAGTCA	
						0.4.60
	CCAACTCTCC					2460
GACTCAGTAC	GGTTGAGAGG	TAGTTATGAC	TTAGACTCTT	AACGTCGCAC	AGGAGATTGG	
					#1#010101 <b>#</b>	2520
	TCAGCAAACA					2520
TTCTCGTCGT	AGTCGTTTGT	CCGTATTTCG	TGAGGTAGAG	ACATGGTAGA	ATAGTGTGTA	
			CO1 #11 C#CC	3.03.0000003.0	» mcccccaca	2580
	CCTGGACAAT					2300
GACCAACCGT	GGACCTGTTA	ACACGTTACT	CGTATTCACC	TGTAAGAGTG	TACCCCGIGI	
			m1 0m01 0mm0	******	<b>೩</b> ೧୩ <b>८</b> ୩८೩୩೩೧	2640
	GGTACAGTGG					2040
AATCATGTTT	CCATGTCACC	CGTTTCCTCT	ATCACTGAAG	TTACTGTCAC	IGAGACIAIG	
			0010001150	03.0003.033.0	CCACTCCTCA	2700
	TCAGAAAAGA					2700
ATCACCTCTT	AGTCTTTTCT	TCTCGTAACT	CGTCGGTTAC	GICCGIGIIC	GGICACGAGI	
	GAATCAGCAG	00000000000	mccccamaac	# N # # # # # # # # # # # # # # # # # #	accesames a	2760
	GAATCAGCAG CTTAGTCGTC					2.700
TATGTGTCTA	CITAGICGIC	CCAAGGCIGI	ACGGCIATIG	AIMANGICOG	10001111011	
C3 3 CCCTCC3	GAAAATGGGA	<b>み</b> ごでごごろごろですで	CCDSTSTGSS	<b>አ አ</b> ርርርርጥልጥል	GACTGTCTTA	2820
	CTTTTACCCT					
GIICCCAGGI	01111110001	10.00101.1.	0011111111		•••	
СТСТСТВССТ	CCTGTATATT	ACANTACCTA	CCATGCAAGA	ATGCCTAACC	TGCACATACC	2880
	GGACATATAA					
Grana Co.			•••••			
GAACCATACO	CTTAGAGACC	CTTATTACCA	TATCAATAAT	CCTGTTGCTA	ATCGGATGCA	2940
	GAATCTCTGG					
GGCGGAATAT	GAAAGAGATI	TAGTCAACAG	AAGTGCAACG	TTATCTCCGC	AGAGATCGTC	3000
					TCTCTAGCAG	
TAGCAGATA	CAAGAATTCA	ATTACAGTCC	GCAGATATCA	AGACAGCTTC	ATCCTTCAGA	3060
ATCGTCTATO	GTTCTTAAGT	TAATGTCAGG	CGTCTATAGI	TCTGTCGAAG	TAGGAAGTCT	
					GCAAGTGCTT	3120
TTAACGATG!	T TGGAAAATT	GTAATCCGTA	CGTTCACTCT	TACGTGTTTC	CGTTCACGAA	
					GGGGAGACAC	3180
ATCGTACTT	T CGATTTATA	r acctcagago	GGAAAGGGAG	ACTACCTACO	CCCCTCTGTG	
					ATTTTTTGTT	3240
TCCTGTCAC	G TATTTATAT	G TCGACGAAA	ATAAACGTAI	A AGTGAACCC!	TAAAAAACAA	
						2200
					CTAACTAGCA	3300
<b>AAAAAATGT</b>	A TAAATAAAA	A GGACTTAAC	r tacactgtal	A CAGGACAGTO	GATTGATCGT	

Fig. 6. (Continuation page 3, SEQ ID NO:6).

				TGAAACAGCA		3360
TAATTTAGGT	GTCTGGATGT	CAGTITATAA	ACTCCCGGGG	ACTTTGTCGT	GTAGTCAGTC	
GACCTAAAGT	GGCCTTTTTA	CTTTTAGCAG	CTCCTGGGTC	TGCCCTCTGT	GTTAATCAGC	3420
CTGGATTTCA	CCGGAAAAAT	GAAAATCGTC	GAGGACCCAG	ACGGGAGACA	CAATTAGTCG	
CCCTGGTCAA	GTCCTGAGTA	GGATCATGGC	GTTTTTATAT	GCATCTCACC	TACTTTGGAC	3480
GGGACCAGTT	CAGGACTCAT	CCTAGTACCG	CAAAAATATA	CGTAGAGTGG	ATGAAACCTG	
GTGATTTACA	CATAATAGGA	AACGCTTGGT	TTCAGTGAAG	TCTGTGTTGT	ATATATTCTG	3540
CACTAAATGT	GTATTATCCT	TTGCGAACCA	AAGTCACTTC	AGACACAACA	TATATAAGAC	
TTATATACAC	GCATTTTGTG	TTTGTGTATA	TATTTCAAGT	CCATTCAGAT	ATGTGTATAT	3600
AATATATGTG	CGTAAAACAC	AAACACATAT	ATAAAGTTCA	GGTAAGTCTA	TACACATATA	
AGTGCAGACC	TTGTAAATTA	AATATTCTGA	TACTTTTTCC	TCAATAAATA	TTTAAAT	
TCACGTCTGG	AACATTTAAT	TTATAAGACT	ATGAAAAAGG	AGTTATTTAT	AAATTTA	

Fig. 6. (Continuation page 4, SEQ ID NO:6).

MVCCGPGRMLLGWAGLLVLAALCLLQVPGAQAAACEPVRIPLCKSLPWNMTKMPNHLHHSTQANAILAMEQFEGLLGTHCSPDLLFFLCAMYAPICTIDFQHEPIKPCKSVCERARQGCE120PILIKYRHSWPESLACDELPVYDRGVCISPEAIVTADGADFPMDSSTGHCRGASSERCKC180KPVRATQKTYFRNNYNYVIRAKVKEVKMKCHDVTAVVEVKEILKASLVNIPRDTVNLYTT240SGCLCPPLTVNEEYVIMGYEDEERSRLLLVEGSIAEKWKDRLGKKVKRWDMKLRHLGLGK300TDASDSTQNQKSGRNSNPRPARS.

Figure 7. Deduced amino acid sequence of mouse FRZB-1 protein. SEQ ID NO:7.

Figure 8. Nucleotide sequence of the full-length mouse FRZB-1 cDNA. SEQ ID NO:8.	
AAGCCTGGGA CCATGGTCTG CTGCGGCCCG GGACGGATGC TGCTAGGATG GGCCGGGTTG	60
TTCGGACCCT GGTACCAGAC GACGCCGGGC CCTGCCTACG ACGATCCTAC CCGGCCCAAC	
CTAGTCCTGG CTGCTCTCTG CCTGCTCCAG GTGCCCGGAG CTCAGGCTGC AGCCTGTGAG	120
GATCAGGACC GACGAGAGAC GGACGAGGTC CACGGGCCTC GAGTCCGACG TCGGACACTC	
	400
CCTGTCCGCA TCCCGCTGTG CAAGTCCCTT CCCTGGAACA TGACCAAGAT GCCCAACCAC	180
GGACAGGCGT AGGGCGACAC GTTCAGGGAA GGGACCTTGT ACTGGTTCTA CGGGTTGGTG	
THE PROPERTY OF THE PROPERTY O	240
CTGCACCACA GCACCCAGGC TAACGCCATC CTGGCCATGG AACAGTTCGA AGGGCTGCTG GACGTGGTGT CGTGGGTCCG ATTGCGGTAG GACCGGTACC TTGTCAAGCT TCCCGACGAC	2.10
GACGIGGIGI CGIGGGICCG ATIGCGGIAC GACCGGIACC IIGICALGOI IOUGAIG	
GGCACCCACT GCAGCCCGGA TCTTCTCTTC TTCCTCTGTG CAATGTACGC ACCCATTTGC	300
CCGTGGGTGA CGTCGGGCCT AGAAGAGAAG AAGGAGACAC GTTACATGCG TGGGTAAACG	
ACCATCGACT TCCAGCACGA GCCCATCAAG CCCTGCAAGT CTGTGTGTGA GCGCGCCCGA	360
TGGTAGCTGA AGGTCGTGCT CGGGTAGTTC GGGACGTTCA GACACACAC CGCGCGGGCT	
	400
CAGGGCTGCG AGCCCATTCT CATCAAGTAC CGCCACTCGT GGCCGGAAAG CTTGGCCTGC	420
GTCCCGACGC TCGGGTAAGA GTAGTTCATG GCGGTGAGCA CCGGCCTTTC GAACCGGACG	
GACGAGCTGC CGGTGTACGA CCGCGGCGTG TGCATCTCTC CTGAGGCCAT CGTCACCGCG	480
CTGCTCGACG GCCACATGCT GGCGCCGCAC ACGTAGAGAG GACTCCGGTA GCAGTGGCGC	
CIGCICGACG GCCACAIGCI GGCGCCGCAC ACCIMONATIO	
GACGGAGCGG ATTTTCCTAT GGATTCAAGT ACTGGACACT GCAGAGGGGC AAGCAGCGAA	540
CTGCCTCGCC TAAAAGGATA CCTAAGTTCA TGACCTGTGA CGTCTCCCCG TTCGTCGCTT	
CGTTGCAAAT GTAAGCCTGT CAGAGCTACA CAGAAGACCT ATTTCCGGAA CAATTACAAC	600
GCAACGTTTA CATTCGGACA GTCTCGATGT GTCTTCTGGA TAAAGGCCTT GTTAATGTTG	
THE PROPERTY OF THE PROPERTY O	660
TATGTCATCC GGGCTAAAGT TAAAGAGGTA AAGATGAAAT GTCATGATGT GACCGCCGTT ATACAGTAGG CCCGATTTCA ATTTCTCCAT TTCTACTTTA CAGTACTACA CTGGCGGCAA	•
ATACAGTAGG CCCGATTTCA ATTTCTCCAT TTCTACTTTA CAGTACTACA CTGSSGGG	
GTGGAAGTGA AGGAAATTCT AAAGGCATCA CTGGTAAACA TTCCAAGGGA CACCGTCAAT	720
CACCTTCACT TCCTTTAAGA TTTCCGTAGT GACCATTTGT AAGGTTCCCT GTGGCAGTTA	
CTTTATACCA CCTCTGGCTG CCTCTGTCCT CCACTTACTG TCAATGAGGA ATATGTCATC	780
GAAATATGGT GGAGACCGAC GGAGACAGGA GGTGAATGAC AGTTACTCCT TATACAGTAG	
	840
ATGGGCTATG AAGACGAGGA ACGTTCCAGG TTACTCTTGG TAGAAGGCTC TATAGCTGAG	040
TACCCGATAC TTCTGCTCCT TGCAAGGTCC AATGAGAACC ATCTTCCGAG ATATCGACTC	
AAGTGGAAGG ATCGGCTTGG TAAGAAAGTC AAGCGCTGGG ATATGAAACT CCGACACCTT	900
TTCACCTTCC TAGCCGAACC ATTCTTTCAG TTCGCGACCC TATACTTTGA GGCTGTGGAA	
GGACTGGGTA AAACTGATGC TAGCGATTCC ACTCAGAATC AGAAGTCTGG CAGGAACTCT	960
CCTGACCCAT TTTGACTACG ATCGCTAAGG TGAGTCTTAG TCTTCAGACC GTCCTTGAGA	

*#* .

AATCCCCGGC TTAGGGGCCG	CAGCACGCAG GTCGTGCGTC	CTAAATCCTG GATTTAGGAC	AAATGTAAAA TTTACATTTT	GGCCACACCC CCGGTGTGGG	ACGGACTCCC TGCCTGAGGG	1020
TTCTAAGACT AAGATTCTGA	GGCGCTGGTG CCGCGACCAC	GACTAACAAA CTGATTGTTT	GGAAAACCGC CCTTTTGGCG	ACAGTTGTGC TGTCAACACG	TCGTGACCGA AGCACTGGCT	1080
TTGTTTACCG AACAAATGGC	CAGACACCGC GTCTGTGGCG	GTGGCTACCG CACCGATGGC	AAGTTACTTC TTCAATGAAG	CGGTCCCCTT GCCAGGGGAA	TCTCCTGCTT AGAGGACGAA	1140
CTTAATGGCG GAATTACCGC	TGGGGTTAGA ACCCCAATCT	TCCTTTAATA AGGAAATTAT	TGTTATATAT ACAATATATA	TCTGTTTCAT AGACAAAGTA	CAATCACGTG GTTAGTGCAC	1200
GGGACTGTTC CCCTGACAAG	TTTTGCAACC AAAACGTTGG	AGAATAGTAA TCTTATCATT	ATTAAATATG TAATTTATAC	TTGATGCTAA AACTACGATT	GGTTTCTGTA	1260
CTGGACTCCC GACCTGAGGG	TGGGTTTAAT ACCCAAATTA	TTGGTGTTCT AACCACAAGA	GTACCCTGAT CATGGGACTA	TGAGAATGCA ACTCTTACGT	ATGTTTCATG TACAAAGTAC	1320
TAAAGAGAGA ATTTCTCTCT	ATCCTGGTCA TAGGACCAGT	TATCTCAAGA ATAGAGTTCT	ACTAGATATT TGATCTATAA	GCTGTAAGAC CGACATTCTG	AGCCTCTGCT TCGGAGACGA	1380
GCTGCGCTTA CGACGCGAAT	TAGTCTTGTG ATCAGAACAC	TTTGTATGCC	TTTGTCCATI AAACAGGTAA	TCCCTCATGO AGGGAGTACO	TGTGAAAGTT ACACTTTCAA	1440
ATACATGTTT TATGTACAAA	TATAAAGGTAG	AACGGCATTI TTGCCGTAA	TGAAATCAGA ACTTTAGTCI	A CACTGCACAI T GTGACGTGT	A GCAGAGTAGC F CGTCTCATCG	1500
CCAACACCAG GGTTGTGGTG	GAAGCATTTA CTTCGTAAA	TGAGGAAACO ACTCCTTTGO	CCACACAGCA CGTGTGTCGT	A TGACTTATT	I TCAAGATTGG A AGTTCTAACC	1560
CAGGCAGCA!	A AATAAATAG TTATTTATC	T GTTGGGAGC	C AAGAAAAGA G TTCTTTCT	A TATTTTGCC T ATAAAACGG	T GGTTAAGGGG A CCAATTCCCC	1620
CACACTGGA: GTGTGACCT	A TCAGTAGCCG	TTGAGCCAT AACTCGGTA	T AACAGCAGT A TTGTCGTCA	G TTCTTCTGG C AAGAAGACC	C AAGTTTTTGA G TTCAAAAACT	1680
TTTGTTCAT.	A AATGTATTC. T TTACATAAG	A CGAGCATTA T GCTCGTAAT	G AGATGAACT C TCTACTTGA	T ATAACTAGA A TATTGATCT	C ATCTGTTGTT G TAGACAACAA	1740
ATCTCTATA TAGAGATAT	G CTCTGCTTC C GAGACGAAG	C TTCTAAATC G AAGATTTAG	A AACCCATTG T TTGGGTAAC	T TGGATGCTC	C CTCTCCATTC G GAGAGGTAAG	1800

	TTGGCTTGCT AACCGAACGA	 		ATGCATGCAT TACGTACGTA	1860
	GTGTTATTTA CACAATAAAT	 			1920
	GTGCACATTT CACGTGTAAA	 			1980
	TGTGTTTATG ACACAAATAC	 •			2040
	ACTAGATTAG TGATCTAATC				2100
	TAATGCTCCA ATTACGAGGT	 	•		2160

CGACAACAAC AACAAA GCTGTTGTTG TTGTTT MVCGSPGGML LLRAGLLALA ALCLLRVPGA RAAACEPVRI PLCKSLPWNM TKMPNHLHHS 60
TQANAILAIE QFEGLLGTHC SPDLLFFLCA MYAPICTIDF QHEPIKPCKS VCERARQGCE 120
PILIKYRHSW PENLACEELP VYDRGVCISP EAIVTADGAD FPMDSSNGNC RGASSERCKC 180
KPIRATQKTY FRNNYNYVIR AKVKEIKTKC HDVTAVVEVK EILKSSLVNI PRDTVNLYTS 240
SGCLCPPLNV NEEYIIMGYE DEERSRLLLV EGSIAEKWKD RLGKKVKRWD MKLRHLGLSK 300
SDSSNSDSTQ SQKSGRNSNP RQARN.

Figure 9. Deduced amino acid sequence of human FRZB-1 protein. SEQ ID NO:9.

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Figure 10. Nucleotide sequence of the full-length human FRZB-1 cDNA. SEQ ID NO:10. This sequence was assembled from public ESTs from the Genbank database (accession numbers: H18848, R63748, W38677, W44760, H38379 and N71244).

GGCGGAGCGG GCCTTTTGGC GTCCACTGCG CGGCTGCACC CTGCCCCATC TGCCGGGATC	60
CCGCCTCGCC CGGAAAACCG CAGGTGACGC GCCGACGTGG GACGGGGTAG ACGGCCCTAG	
ATGGTCTGCG GCAGCCCGGG AGGGATGCTG CTGCTGCGGG CCGGGCTGCT TGCCCTGGCT	120
TACCAGACGC CGTCGGGCCC TCCCTACGAC GACGACGCCC GGCCCGACGA ACGGGACCGA	
GCTCTCTGCC TGCTCCGGGT GCCCGGGGCT CGGGCTGCAG CCTGTGAGCC CGTCCGCATC	180
CGAGAGACGG ACGAGGCCCA CGGGCCCCGA GCCCGACGTC GGACACTCGG GCAGGCGTAG	
CCCCTGTGCA AGTCCCTGCC CTGGAACATG ACTAAGATGC CCAACCACCT GCACCACAGC	240
GGGGACACGT TCAGGGACGG GACCTTGTAC TGATTCTACG GGTTGGTGGA CGTGGTGTCG	
ACTCAGGCCA ACGCCATCCT GGCCATCGAG CAGTTCGAAG GTCTGCTGGG CACCCACTGC	300
TGAGTCCGGT TGCGGTAGGA CCGGTAGCTC GTCAAGCTTC CAGACGACCC GTGGGTGACG	
AGCCCCGATC TGCTCTTCTT CCTCTGTGCC ATGTACGCGC CCATCTGCAC CATTGACTTC	360
TCGGGGCTAG ACGAGAAGAA GGAGACACGG TACATGCGCG GGTAGACGTG GTAACTGAAG	
CAGCACGAGC CCATCAAGCC CTGTAAGTCT GTGTGCGAGC GGGCCCGGCA GGGCTGTGAG	420
GTCGTGCTCG GGTAGTTCGG GACATTCAGA CACACGCTCG CCCGGGCCGT CCCGACACTC	
CCCATACTCA TCAAGTACCG CCACTCGTGG CCGGAGAACC TGGCCTGCGA GGAGCTGCCA	480
GGGTATGAGT AGTTCATGGC GGTGAGCACC GGCCTCTTGG ACCGGACGCT CCTCGACGGT	
GTGTACGACA GGGGCGTGTG CATCTCTCCC GAGGCCATCG TTACTGCGGA CGGAGCTGAT	540
CACATGCTGT CCCCGCACAC GTAGAGAGGG CTCCGGTAGC AATGACGCCT GCCTCGACTA	
TTTCCTATGG ATTCTAGTAA CGGAAACTGT AGAGGGGCAA GCAGTGAACG CTGTAAATGT	600
AAAGGATACC TAAGATCATT GCCTTTGACA TCTCCCCGTT CGTCACTTGC GACATTTACA	
AAGCCTATTA GAGCTACACA GAAGACCTAT TTCCGGAACA ATTACAACTA TGTCATTCGG	660
TTCGGATAAT CTCGATGTGT CTTCTGGATA AAGGCCTTGT TAATGTTGAT ACAGTAAGCC	
GCTAAAGTTA AAGAGATAAA GACTAAGTGC CATGATGTGA CTGCAGTAGT GGAGGTGAAG	720
CGATTTCAAT TTCTCTATTT CTGATTCACG GTACTACACT GACGTCATCA CCTCCACTTC	
GAGATTCTAA AGTCCTCTCT GGTAAACATT CCACGGGACA CTGTCAACCT CTATACCAGC	780
CTCTAAGATT TCAGGAGAGA CCATTTGTAA GGTGCCCTGT GACAGTTGGA GATATGGTCG	
TCTGGCTGCC TCTGCCCTCC ACTTAATGTT AATGAGGAAT ATATCATCAT GGGCTATGAA	840
AGACCGACGG AGACGGGAGG TGAATTACAA TTACTCCTTA TATAGTAGTA CCCGATACTT	

	GTTCCAGATT					900
CTACTCCTTG	CAAGGTCTAA	TGAGAACCAC	CTTCCGAGAT	ATCGACTCTT	CACCTTCCTA	
ССАСТСССТА	AAAAAGTTAA	CCCCTCCCAT	<b>አጥ</b> ርል አርርጥጥር	ርጥሮ <mark>አጥርጥጥ</mark> ናር	<b>ልርጥሮ</b> ልርጥል ል ል	960
	TTTTTCAATT					300
AGTGATTCTA	GCAATAGTGA	TTCCACTCAG	AGTCAGAAGT	CTGGCAGGAA	CTCGAACCCC	1020
TCACTAAGAT	CGTTATCACT	AAGGTGAGTC	TCAGTCTTCA	GACCGTCCTT	GAGCTTGGGG	
	GCAACTAAAT					1080
GCCGTTCGTG	CGTTGATTTA	GGGCTTTATG	TTTTTCATTG	TGTCACCTGA	AGGATAATTC	
ACTTACTTGC	ATTGCTGGAC	<b>ТАССА ХАССА</b>	AAATTGCACT	ATTGCACATC	ልጥልጥጥርጥልጥጥ	1140
	TAACGACCTG					
	AAAATCATGT					1200
CAAATGATAT	TTTTAGTACA	CTATTGACTA	ATAATGAAGA	CAAAGAGAAA	ACCAAAGACG	
						1050
	TCTCAACCCC					1260
AAGAGAGAAG	AGAGTTGGGG	AAACATTACC	AAACCCCCGT	CTGAGAATTC	ATATAACACT	
GTTTTCTATT	TCACTAATCA	TGAGAAAAAC	TGTTCTTTG	СААТААТААТ	AAATTAAACA	1320
	AGTGATTAGT					
TGCTGTTACC	AGAGCCTCTT	TGCTGAGTCT	CCAGATGTTA	ATTTACTTTC	TGCACCCCAA	1380
ACGACAATGG	TCTCGGAGAA	ACGACTCAGA	GGTCTACAAT	TAAATGAAAG	ACGTGGGGTT	
MDCCC3 3 DCC	3 3 M3 MMOO3 M	C2222C2C	CDDDDCDCCD3	mmor cross	CCM3 C3 M3 MC	1 4 4 0
	AATATTGGAT TTATAACCTA					1440
AACCCTIACG	ITATAACCIA	CITITOTO	CAAAGACCAI	AAGIGICIII	CGATCIAIAC	
CCTTAAAACA	TACTCTGCCG	ATCTAATTAC	AGCCTTATTT	TTGTATGCCT	TTTGGGCATT	1500
GGAATTTTGT	ATGAGACGGC	TAGATTAATG	TCGGAATAAA	AACATACGGA	AAACCCGTAA	
	TTAGAAAGTT					1560
GAGGAGTACG	AATCTTTCAA	GGTTTACAAA	TATTTCCATT	TTACCGTCAA	ACTTCAGTTT	
<b>ጥ</b> ርጥር አር አጥአር	GCAAAGCAAT	CANGCACCAG	ርኔ አርጥርጥጥነል	TCACCAAACA	ACACCCAAGA	1620
	CGTTTCGTTA					1020
TGAATTATTT	TTGAGACTGT	CAGGAAGTAA	AATAAATAGG	AGCTTAAGAA	AGAACATTTT	1680
ACTTAATAAA	AACTCTGACA	GTCCTTCATT	TTATTTATCC	TCGAATTCTT	TCTTGTAAAA	
					<b>71.00.000</b>	1510
					TAGCATTCTT	1740
CGGACTAACT	Cricgiging	ACTITIGGICA	TCGGCGACCC	CACAATIACC	AICGIAAGAA	
CTTTTGGCAA	TACATTTGAT	TTGTTCATGA	ATATATTAAT	CAGCATTAGA	GAAATGAATT	1800
					CTTTACTTAA	
		•			AAATAAATTT	1860
TATTGATCT	TAGACGACAA	TAGTGGTATC	AAAACAAATT	· AAACGAAGGA	AAATTTATTT	
CCCATTGGT	AAAGTCAAAA		AAA			
	TTTCAGTTTT					